



DESE

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College and Career Readiness

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College and Career Readiness

Definition



A high school graduate has the necessary English and mathematics knowledge and skills—including, but not limited to, reading, writing, communications, teamwork, critical thinking and problem-solving—to qualify for and succeed in entry-level, credit-bearing two- or four- year college courses without the need for remedial coursework, or to qualify for and succeed in entry-level workforce training programs for his/her chosen career that offer competitive, livable salaries about the poverty line, offer opportunities for career advancement, and are in a growing or sustainable industry.

College and Career Readiness Definition



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to qualify for and succeed in entry-level, credit-bearing two- or four- year college courses...

without the need for remedial coursework, ...

College and Career Readiness Definition



or **to qualify for and succeed in entry-level
workforce training programs for his/her chosen
career**

that offer competitive, livable salaries above the
poverty line, offer opportunities for career
advancement, and are in a growing or sustainable
industry.

Office of College and Career Readiness



- **Curriculum Services** - The curriculum services section provides professional services related to the development and implementation of improved curricula in the schools of the state.
- **Missouri Assessment Program** - The Assessment Section manages test development, on-going test maintenance, and oversees the test administration for statewide, large-scale assessments.
- **Career Education** - Missouri Career Education combines academics and occupational skill training to prepare students of all ages.

Office of College and Career Readiness



- **Pathways to Prosperity Network/Missouri** – The Pathways to Prosperity Network is a collaboration of 12 states and regions, Jobs for the Future and the Harvard Graduate School of Education seeking to ensure that many more youth complete high school, attain post-secondary credentials and launch careers while leaving open the prospect for further education.
- **School Counseling** - The School Counseling Section provides resources and technical assistance to help school counselors fully implement comprehensive school counseling programs in their schools.

MISSOURI LEARNING STANDARDS

UPDATE



HB 1490

- **July 2014 – House Bill 1490 signed into law**
- **Now known as Section 160.526.1, RSMo**



Show-Me Standards

Knowledge

A foundation in reading, writing, mathematics, world and American history, forms of government, geography, science, health/physical education and the fine arts – should also be incorporated into courses in career and technical education and practical arts.

Performance

The ability of students to apply their knowledge and skills to the kinds of problems and decisions they will likely encounter after they graduate.

Missouri Learning Standards

Grade- and course-level expectations in:

- Agriculture and natural resources
- Business and information technology
- English language arts
- Fine arts
- Health/physical education
- Health services
- Human services
- Industrial and engineering technology
- Mathematics
- Science
- Social studies

HB 1490 Timeline

- **July 2014 – Bill signed into law - Section 160.526.1, RSMo**

“Whenever the state board of education develops, evaluates, modifies, or revises academic performance standards or learning standards, it shall convene workgroups composed of educational professionals to develop and recommend such ...standards.”

...Work group members shall be selected in the following manner...

HB 1490 Timeline

- **July 2014 – Bill signed into law - Section 160.526.1, RSMo**
- **Oct. 2014 – Work groups organized by state legislature to develop and recommend academic performance standards**
- **Oct. 2015 – Work groups presented the proposed standards to the State Board of Education**
- **April 2016 - Missouri Learning Standards – Grade Level Expectations approved by State Board**



Missouri Learning Standards Update

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Missouri Learning Standards

Revised Missouri Learning Standards - Approved on April 19, 2016

ELA: [K-5 PDF](#) | [K-5 Word](#) | [6-12 PDF](#) | [6-12 Word](#)
Math: [K-5 PDF](#) | [K-5 Word](#) | [6-12 PDF](#) | [6-12 Word](#)
Science: [K-5 PDF](#) | [K-5 Word](#) | [6-12 PDF](#) | [6-12 Word](#)
Social Studies: [K-5 PDF](#) | [K-5 Word](#) | [6-12 PDF](#) | [6-12 Word](#)

Missouri Learning Standards Crosswalks

ELA: [K-5](#) | [6-12](#)
Math: [K](#) | [1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#)
[Algebra 1](#) | [Algebra 2](#) | [Geometry](#)
Science: [K-5](#)
Social Studies: [K-5](#) | [MS Am. History](#) | [MS World Geography](#)
| [MS World History](#) | [HS Am. Govt](#) | [HS Am. History](#) | [HS World History](#)

Quick Links

- [2016-2017 Missouri Learning Standards: Grade- and Course-Level Expectations](#)
- [2015-2016 Missouri Learning Standards](#)
- [Text of HB1490](#)
- [Appointment Designation Chart](#)
- [HB1490 Timeline](#)
- [Work Group Proposed Standards and Public Comment Surveys](#)
- [Missouri Learning Standards Public Survey Comments](#)

College & Career Readiness

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The State Board of Education approved the updated Missouri Learning Standards on April 19, 2016, based on the standards created by work groups of Missouri parents and educators. The revised standards were developed by Missourians for Missouri

Regional Workshops on New Standards

- August 11 Blue Springs
- August 12 Chillicothe
- August 17 Senath-Hornerville
- Sept. 2 Fatima
- Sept. 14 N. St. Francis County/ Desloge
- Sept. 22 Ozark
- Oct. 13 Webb City @ Southwest Center
- Oct. 18 St. Louis @ EdPlus
- Oct. 21 Troy
- Nov. 7 Jefferson City
- Nov. 8 Spokane

New State Law - 170.345 RSMo

Missouri Civics Education Initiative

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Missouri Civics Education Initiative

170.345 RSMo

- ❑ **Current Government EOC exam and voluntary American History EOC exam remain unchanged.**
- ❑ **Law does not require an additional state test.**
- ❑ **Local districts will assure compliance as graduation requirement.**
- ❑ **School districts may use an online test to comply. The United States Citizenship and Immigration Services (USCIS) site testing materials are available at <https://www.uscis.gov/citizenship/learners/study-test>**
- ❑ **Districts may choose to create a crosswalk of the USCIS questions and their existing American Government, Missouri Government and American History assessments, and then to amend those assessments to comply with the USCIS content. Districts are encouraged to maintain the crosswalk and adjustments as verification of USCIS content assessed.**



Missouri Assessment Program

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Standards and Assessment Administrator

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Missouri Assessment Program 2015-2016

- ☐ Grade-Level
- ☐ End-of-Course
- ☐ MAP-A
- ☐ ACCESS 2.0
- ☐ ACT
- ☐ Personal Finance

Grade-Level



April 4 – May 27

- Assess the Missouri Learning Standards
 - English language arts and mathematics at grades 3-8
 - Science at grades 5 and 8
- Assessment contractor DRC
- INSIGHT online platform
 - Same look and feel as last year
- eDIRECT MAP portal
- PRISM reporting

End-of-Course

October 5 – January 22

February 22 – May 27

June 6 – August 26

- ☐ Missouri Learning Standards

- ☐ Accountability assessments

 - ☐ Algebra I/Algebra II

 - ☐ Biology

 - ☐ English II

 - ☐ Government

End-of-Course



- ❑ Non-accountability assessments
 - ❑ Algebra II
 - ❑ American History
 - ❑ English I
 - ❑ Geometry
 - ❑ Physical Science

MAP-A

- April 4 – May 27
- Missouri Learning Standards
- ELA and mathematics in grades 3 – 8 and 11
- Science in grades 5, 8, and 11
- Dynamic Learning Maps
- ELA and mathematics instructionally embedded
- KITE platform

ACCESS 2.0



January 11 – March 18

- ❑ Monitor students' acquisition of academic English in the domains of speaking, listening, reading, and writing
- ❑ INSIGHT platform
- ❑ Reports to districts April 29

ACT



April 19 – May 3 (Online)

April 19 – May 3 (Accommodated paper and pencil)

April 19 (Paper and pencil)

May 3 (Make-up paper and pencil)

- ❑ 11th grade census administration
- ❑ ACT accommodations available in both formats
- ❑ Student reports mailed 3-8 weeks after testing
- ❑ School reports and score labels arrive 3-8 weeks after testing
- ❑ District profile by September 2

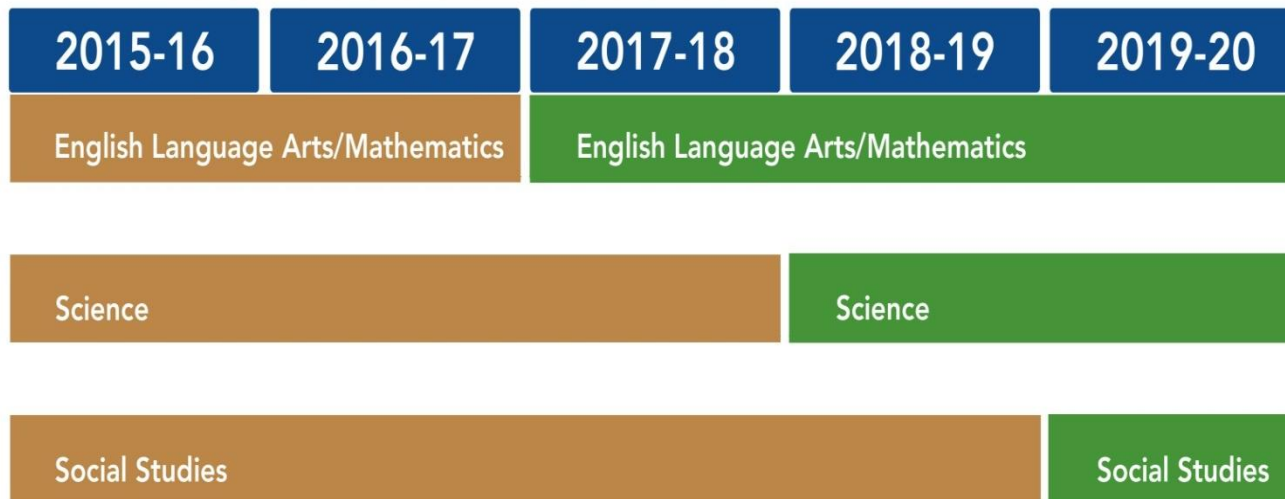
Personal Finance

- ❑ October 5 – January 27
- ❑ February 22 – May 27
- ❑ June 6 – August 26
- ❑ Missouri Personal Finance Competencies
- ❑ Online platform
- ❑ Required for students taking a course in which Personal Finance competencies are embedded
- ❑ Required for students who are attempting to demonstrate mastery or “test out”

2016-2017

- No change to Grade-Level or End-of-Course assessments - assessments based on 2015-2016 Missouri Learning Standards
- Implementation of the newly approved MLS should begin in districts
- Test development continues
- English language arts, mathematics and science field tests begin

Implementation Schedule



Tests aligned to previous Missouri Learning Standards



Tests aligned to revised Missouri Learning Standards Grade Level Expectations (Approved April 2016)

Assessment Questions



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National Assessment of Educational Progress (NAEP)



The National Assessment of Educational Progress (NAEP) is the largest nationally representative and continuing assessment of what America's students know and can do in various subject areas.

Paper-and-pencil assessments are conducted periodically in mathematics, reading, science, writing, the arts, civics, economics, geography, U.S. History, and in Technology and Engineering Literacy (TEL).

Beginning in 2017, NAEP will begin administering digitally based assessments (DBA) for mathematics, reading, and writing, with additional subjects added in 2018 and 2019.

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MISSOURI CAREER EDUCATION: AN OVERVIEW

July 2016

Missouri Department of Elementary
and Secondary Education

CTE Delivery System in Missouri

- 57 Area Career Centers
 - Four located on community college campuses
- 443 Comprehensive High Schools (includes one charter school)
- 1 State Technical College
- 12 Community College Districts
- 7 Four-year Institutions (Associate degree and certificate programs)
- 2 State Agencies
 - Department of Social Services
 - Department of Corrections

CTE Program Areas

- ❑ Agriculture Education
- ❑ Business, Marketing, and Information Technology
- ❑ Family Consumer Sciences
 - ❑ Family Focused
 - ❑ Occupational, ie. Culinary Arts, Early Childhood, etc.
- ❑ Health Sciences
- ❑ Skilled Technical Sciences
- ❑ Technology and Engineering
 - ❑ Project Lead The Way (PLTW) Only

Participation in CTE

School Year	Secondary	Post Secondary	Adult *
2012-13	177,139	69,278	2,543
2013-14	177,679	67,170	2,226
2014-15	186,391	65,929	2,048

Participation in Secondary CTE



During the 2014-15 school year, 66% of all high school students in grades 9-12 participated in at least one CTE course or program.

Secondary Concentration in CTE

School Year	Number of CTE Concentrators	Graduation Rate
2012-13	25,983	94.68%
2013-14	25,622	95.39%
2014-15	27,112	95.92%

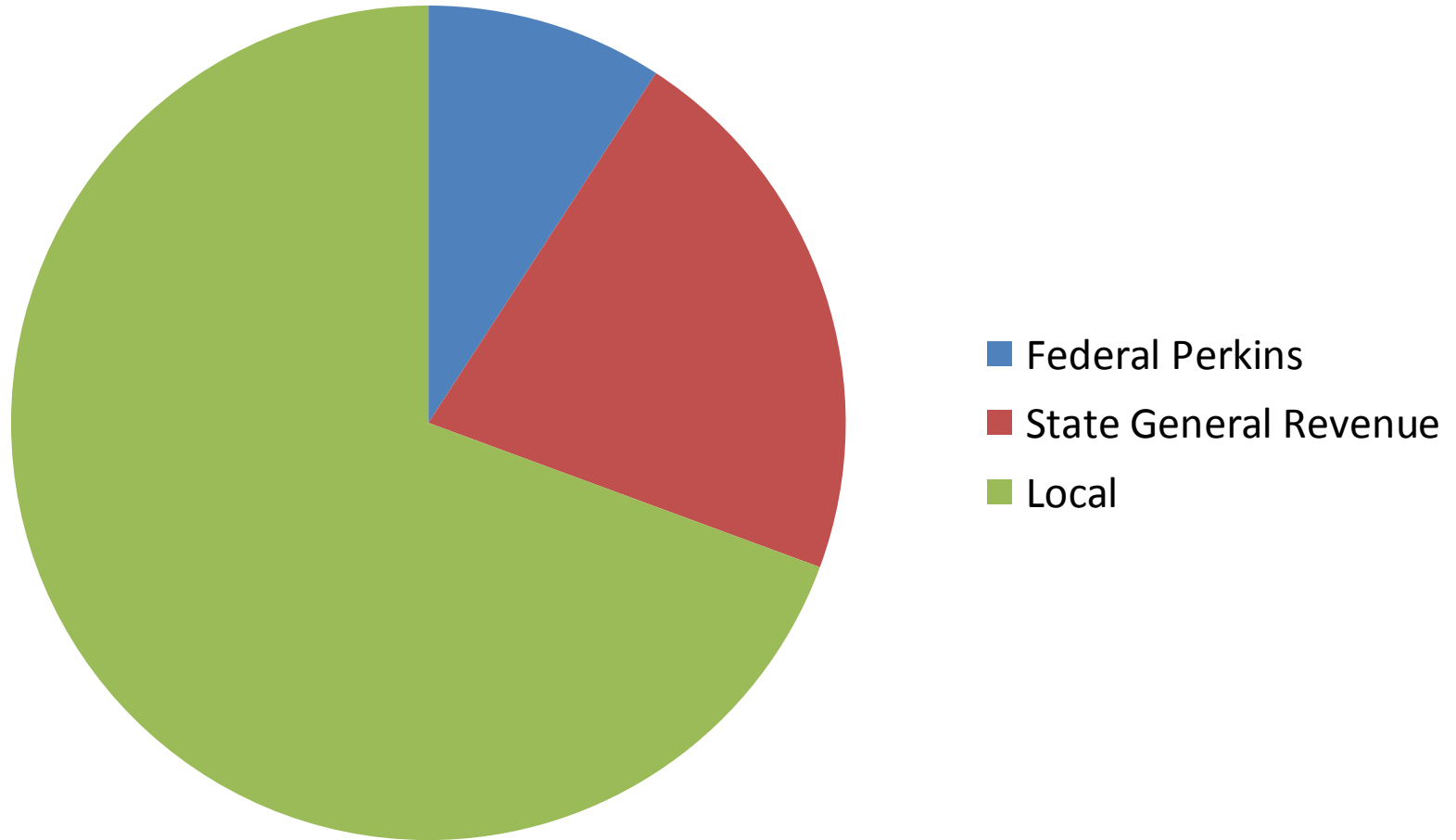
Placement 2014

Placement Status	Secondary	Postsecondary	Adult
Employed	10,485	4,083	1,074
Continuing Education	32,171	779	151
Military	1,495	15	3
Other includes: Not employed, Not available, or Status unknown	2,559	1,588	126
Total	46,710	6,465	1,354

Career and Technical Student Organizations (CTSOs)

- ❑ Eleven (11) CTSOs are operated in Missouri and recognized by the US Department of Education
- ❑ Over 76,000 Missouri students participated during the 2014-15 school year
- ❑ Five (5) CTSOs ranked in the top 10 nationally for student membership
- ❑ Career and Technical Students Organizations (CTSOs) are an intra-curricular element of all Department-approved career education programs
- ❑ CTSOs provide students with leadership skills, career competency, community service, and school service

Funding CTE in Missouri



Funding CTE in Missouri

- Federal Perkins **\$21,345,135**
 - 85% - distributed through a formula to LEAs
 - 15% - Leadership and Administration
- State General Revenue **\$50,069,028**
 - 96% - distributed out locally through salaries, grants and Effectiveness Index Formula (EIF)
 - 4% - Leadership, professional development, and special projects
- Local **\$162,000,000 +**
 - As reported by school districts on their annual secretary's report to the board

Why is CTE Becoming Increasingly Important?

- Federal Legislation
 - Workforce Innovations and Opportunities Act (WIOA)
 - Every Child Succeeds Act (ESSA)
 - Perkins Reauthorization – “Strengthening Career and Technical Education for the 21st Century Act”
- Numerous studies and reports recognizing the importance of CTE to the educational system in the United States

What's Happening in Missouri

- ❑ SB620
 - ❑ CTE Certificate
 - ❑ CTE Advisory Council appointed by the Commissioner of Education
- ❑ Ad Hoc CTE Funding Committee
- ❑ Focus on Quality CTE Programs

SB620 – CTE Certificate

❑ **CTE Certificate –**

- ❑ The 98th Missouri General Assembly passed legislation (SBs. 620 & 582) which charged the State Board of Education, in consultation with the Career and Technical Education Advisory Council to establish minimum requirements for a career and technical education (CTE) certificate that a student can earn in addition to his or her high school graduation diploma.
- ❑ Students entering high school in school year 2017-2018 and thereafter shall be eligible to earn a CTE certificate.

SB620 – CTE Advisory Council

- ❑ **CTE Advisory Council** composed of eleven (11) members appointed by the Commissioner of Education.
- ❑ Director of an area career center;
- ❑ An individual from the business community;
- ❑ A representative from State Technical College of MO;
- ❑ Three current or retired CTE teachers who also serve or served as an advisor to any of the nationally recognized CTSOs;
- ❑ A representative from a business organization, association of businesses or a business coalition;

SB620 – CTE Advisory Council (Cont.)

- ❑ A representative from a Missouri community college;
- ❑ A representative from SEMO or UCM;
- ❑ An individual participating in an apprenticeship recognize by the Department of Labor and Industrial Relations;
- ❑ A school administrators or school superintendent of a school that offers CTE.
- ❑ Also to include four members from the General Assembly
 - ❑ Two from House of Representatives
 - ❑ Two from Senate

SB620 – CTE Advisory Council (Cont.)

- ❑ Three non-voting Ex Officio Members:
 - ❑ DESE Director of School Counseling
 - ❑ Director of the Division of Workforce Development
 - ❑ A member of the Coordinating Board for Higher Education, as selected by the Coordinating Board.

Ad Hoc CTE Funding Committee

- ❑ Convened in December 2015
- ❑ Purpose to review, revise and make recommendations to DESE regarding CTE salary funding.
- ❑ New funding plan in place for the 2017-18 school year
- ❑ Facilitated by Central Comprehensive Center, College and Career Readiness and Success Center, and Center on Innovation in Learning in conjunction with staff from OCCCR.

Quality CTE Programs

- ❑ *Common Criteria and Quality Indicators for CTE Programs* – released in July 2015
- ❑ Working on a comparable set for Postsecondary CTE programs
- ❑ Plan to use *Common Criteria and Quality Indicators* as a “gatekeeper” for CTE funding and program improvement. Complete through Tiered Monitoring System.

Questions?

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